

2005 Tucson AMA Water Budget

Tucson AMA		DRAFT, SUBJECT TO REVISION		
GWMC Format		1998	2005	2025
MUNICIPAL (includes exempt wells)				
DEMAND		160,500	194,500	247,100
SUPPLY	Groundwater	150,800	97,500	63,000
	CAP (direct use; credit recovery; replenishment)	200	83,400	146,400
	Effluent	9,500	13,300	37,700
INCIDENTAL RECHARGE		56,100	14,000	13,100
INDUSTRIAL				
DEMAND		57,500	54,200	75,400
SUPPLY	Groundwater	56,800	52,500	70,700
	CAP (direct use & credit recovery)	0	200	0
	Other surface water	0	400	
	Effluent	700	1,100	4,700
INCIDENTAL RECHARGE		6,900	5,700	7,600
AGRICULTURAL				
DEMAND		94,800	94,100	57,200
SUPPLY	Groundwater	70,900	66,700	44,200
	Groundwater (<i>in lieu</i>)	22,900	16,400	10,000
	CAP (direct use; no <i>in lieu</i>)	0	11,000	0
	Effluent	1,000	0	3,000
INCIDENTAL RECHARGE		19,000	18,800	8,700
INDIAN				
DEMAND		100	14,200	16,000
SUPPLY	Groundwater	100	800	200
	CAP (direct use; no <i>in lieu</i>)	0	13,400	15,800
	Effluent	0	0	0
INCIDENTAL RECHARGE		0	2,800	3,200
OTHER				
DEMAND		3,700	3,700	3,700
SUPPLY	Cuts to the aquifer	2,300	15,300	45,200
	Net natural recharge	62,000	62,000	62,000
OVERDRAFT				
TOTAL		158,900	119,000	52,000
ADDITIONAL RECHARGE FOR FUTURE USE*				
OTHER	Net artificial recharge	22,700	102,900	13,500

11/2/2006 9:39

* Includes storage for Colorado River drought, and interstate storage on behalf of Nevada

Total demand was 360,700 AF

The **supplies** used to meet that demand were:

- **Mined groundwater—33%** (*lower than previous years {50% in 1998}. Safe Yield occurs when this number drops to zero*)
- **CAP water (via recharge & recovery)—30%** (*greater than previous years*)
- **Natural recharge—17%** (*based on long-term average*)
- **Incidental recharge & cuts to aquifer—16%** (*recharge that is ancillary to use [e.g., percolation of irrigation water below root zone], and the mandatory contribution to the aquifer for certain kinds of artificial recharge [e.g., 5% of CAP stored for long-term purposes]*)
- **Effluent (direct use & recharge & recovery)—4%**

An additional 102,900 AF of CAP and effluent was recharged for future use. This amount is not included in the current-year overdraft calculation, but will be accounted for as CAP or effluent when credits are recovered (pumped).

